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OM protein - protein search, using sw model

Run on: July 31, 2003, 13:31:02 ; Search time 30 seconds  
(without alignments)  
741.850 Million cell updates/sec

Title: US-10-082-894-2

Perfect score: 2786

Sequence: 1 MDKRYNQVKVCLVLDWG.....LMGLVPPEMDGVPLLEQFG 526

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued\_Patents\_AA.\*

1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*

2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*

3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*

4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*

5: /cgn2\_6/ptodata/1/iaa/PCFUS\_COMB.pep.\*

6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1092.5	39.2	529	4	US-09-252-991A-23395 Sequence 23395, A
2	998.5	35.6	521	4	US-09-328-352-5423 Sequence 5423, A
3	992	35.6	517	4	US-09-134-001C-5444 Sequence 5444, A
4	333	12.0	161	3	US-08-975-762-35 Sequence 35, Appl
5	333	12.0	161	3	US-08-821-324-35 Sequence 35, Appl
6	333	12.0	161	3	US-09-295-028-35 Sequence 35, Appl
7	333	12.0	161	3	US-09-106-582-35 Sequence 35, Appl
8	110.5	4.0	820	4	US-09-232-991A-32001 Sequence 32001, A
9	110	3.9	709	4	US-09-668-673B-3 Sequence 3, Appl
10	108	3.9	556	1	US-08-445-586-2 Sequence 2, Appl
11	101	3.6	554	1	US-08-445-586-7 Sequence 7, Appl
12	100	3.6	920	3	US-08-930-996A-8 Sequence 8, Appl
13	98	3.5	376	4	US-09-252-991A-28031 Sequence 28031, A
14	95	3.4	449	2	US-08-657-392-2 Sequence 2, Appl
15	95	3.4	449	5	PCT-US94-02539-2 Sequence 2, Appl
16	95	3.4	471	2	US-08-657-392-31 Sequence 31, Appl
17	95	3.4	471	5	PCT-US94-02539-31 Sequence 31, Appl
18	95	3.4	2662	4	US-09-595-684B-31 Sequence 31, Appl
19	94.5	3.4	573	4	US-09-134-001C-4656 Sequence 4656, A
20	92	3.3	437	4	US-09-232-991A-24355 Sequence 24355, A
21	92	3.3	459	2	US-08-673-312-2 Sequence 2, Appl
22	92	3.3	720	4	US-09-252-991A-18618 Sequence 18618, A
23	91	3.3	571	3	US-08-809-326A-6 Sequence 6, Appl
24	91	3.3	571	4	US-09-689-914A-6 Sequence 6, Appl
25	91	3.3	571	4	US-09-689-913A-6 Sequence 6, Appl
26	91	3.3	571	4	US-09-689-916A-6 Sequence 6, Appl
27	91	3.3	580	4	US-09-198-452A-332 Sequence 332, App

28	90.5	3.2	631	4	US-09-134-001C-3843 Sequence 3843, Ap
29	90.5	3.2	846	4	US-09-252-991A-23780 Sequence 23780, A
30	90.5	3.2	888	4	US-09-252-991A-17967 Sequence 17967, A
31	90.5	3.2	891	4	US-09-134-001C-4913 Sequence 4913, Ap
32	90	3.2	711	1	US-08-235-838-7 Sequence 7, Appl
33	90	3.2	711	2	US-08-465-473B-7 Sequence 7, Appl
34	89.5	3.2	710	4	US-09-107-532A-5067 Sequence 5067, Ap
35	89	3.2	427	4	US-09-252-991A-19612 Sequence 19612, A
36	88.5	3.2	1375	3	US-08-665-259-26 Sequence 26, Appl
37	88.5	3.2	1375	3	US-08-762-500-26 Sequence 26, Appl
38	87.5	3.1	320	3	US-09-347-803-23 Sequence 23, Appl
39	87.5	3.1	505	3	US-08-627-907A-4 Sequence 4, Appl
40	86.5	3.1	389	1	US-08-650-275-3 Sequence 3, Appl
41	86.5	3.1	389	3	US-09-181-318-3 Sequence 3, Appl
42	86.5	3.1	406	4	US-09-227-357-187 Sequence 187, App
43	86	3.1	509	2	US-08-559-505-4 Sequence 4, Appl
44	86	3.1	509	2	US-08-749-907-4 Sequence 4, Appl
45	86	3.1	509	4	US-09-241-591B-8 Sequence 8, Appl

## ALIGNMENTS

RESULT 1

US-09-252-991A-23395

; Sequence 23395, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,786

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 23395

; LENGTH: 529

; TYPE: PRT

; ORGANISM: Pseudomonas aeruginosa

; US-09-252-991A-23395

Query Match 39.2%; Score 1092.5; DB 4; Length 529;  
Best Local Similarity 45.2%; Pred. No. 5.6e-113;  
Matches 233; Conservative 78; Mismatches 179; Indels 25; Gaps 9;

Qy	13	LVVIDGWLSDQHGNAIAKAKTPTMDKLCGSGNMOKL-EAHGLHVGLPEGLMGNSEVGH	71
Db	24	LIILDGFHSGSPDYNAIYAAKKPWDRLLATQPHGLISGSGMDVGLPDGQMGNSVGHM	83
Qy	72	NIGAGRVYQDIVRINLAQVNEFTNPQIVASAEKKGSRHLHLGLVSDGGVSHID	131
Db	84	NLGAGRVYQDFTVTRKAIKRDGEFFENPVIAAADVADKAVAHILGLLSPGGVSHSD	143
Qy	132	HLFALIRAFKOLQPKVFIHFFADGROTSPTSGAGYLQQLQFTASEKYGELATITGY	191
Db	144	HLVAMAQAAKRGAGKIYLAFLDGRDTPPKSAQPSLERLDATTAGLKGRIASLTIGRY	203
Qy	192	AMDRDKWERIKMAYEAIVGGIGOKATVDKAVDVVRYAQSEDFELKPIVFSDDG---	248
Db	204	AMDRDNDRVQAAVELIVDGKAE-FTADSSVALEAAYARGESDEFVKATVVPAGAEA	262
Qy	249	-RVKDDTLTFNTRADRMQICELGLERYKDLNSSVPHPKNTQISG---MTQYNKEFP	304
Db	263	VRVEDGDAVIFMNFRAADRELSRAFEVPAFNEF-----PRERAPQACGVLMTQVAA	318
Qy	305	FPSLFPPTHTNVLAEWLASQGVTFQHCATKTEKYPHTVTFPPFNGGSEVQFQDEERC	364
Db	319	APCAFPPEPLTNVLGYLAKHGKTLQRTAETKVAHVHTFFSGGREGPEYEGEERILPSP	378

365	QY	KEVAYDULKPENNAAGVAKWVEQIESGRHPLVMCNFAPDPDMVGHTGKFEPAVKACQATD	424
379	Db	K-VATYDLQPEMSAPEVTDRIVEALEQQRVDIVVYVANGDMVGHTGVVEAAVKAVECLD	437
425	QY	EAIKIFKFCQTYNYVLMVTSHDGNAEKM-IAPDGSHTAHTCNLVPTFCSSKTFVFKST	483
438	Db	TCMGRIVEALDKVGGEALITADHGHNVEQMEDESTGQAHTAHTCEPVPF-----VYVGKKR	492
484	QY	PPTGDDGKERARALRDVAPTVLQMLGLVPVPEMDG	518
493	Db	LSIRGG-----VLADVAPTMLTMLGLEQPAEMTG	522

## RESULT 2

```

RESULT 2
US-09-328-352-5423
; Sequence 5423, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 5423
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-5423

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Query Match 35.8%; Score 998.5; DB 4; Length 521;  
Best Local Similarity 42.2%; Pred. No. 1.8e-102;  
Matches 223; Conservative 86; Mismatches 171; Indels 49; Gaps 13;  
QY 13 LVVIDGWGLSDQHGNAIAKAKTPIM-----DKLCSGNWQKLEAHGUVHVGPEGLMG 64

QY	65	NSEVGHNLNAGRVIYODIVRINLAVORNEFTVNQIVASAEAKGSGRLHLGLVSDG	124
Db	72	NSEVGHNLNAGRVLYQDFRITRDKITGTAFFEHLVDAVEKAKAAGAVHIMGLSBSG	131
QY	125	GVSHSDHDLFALIR-AFKQLQVPRVFTHEFADGRDTSPTSGAGYLBQLQFTASEKY---	180
Db	132	GVSHSHEDHIVAMCELALUK--RGAKVYUHLAFDLGROTPPRSAQPSLEKLDALFA--KYPNQ	187
QY	181	GELATITGRYYAMDRDKRRIKMAEIAVGGICQKATVDKAVDVVRERYAQSOTDEFUK	240
Db	188	GRIATMIGRYFAMDRNRDRVEQAYRLLTEGEAVR-TANTAVEGLELAYAANENDEFVK	246
QY	241	PIVFSDDGRVDDDTLFIFFNYRADRMQRICECL-----GLERYKDLNLSVPHPKNIQIS	294
Db	247	ATRIGEIATKQVODGSSVFMFRADRARREITRAFVEKDFAGFERKVVQNLS-----KPV	299
QY	295	GMTQYNKEFFPPSLFPVPVTHTNVLAELWASOGVTFQFHAETERYPHVTFEFGNGREVQFO	354
Db	300	MLTRQASIDAPVAYMPEELKNSLGEVLSLSLQTLRIATEKYAHVTFEFGSGREDYVP	359
QY	355	DEERCWVSPREVATYDLKPEMNAAGVAERKWFSQIESGRHPLVMCNFAPDPDVMGHTGKFE	414
Db	360	GEKRLIPSP--NVATYDLKPEMSAYEYVTDLVRKAINSGEYDILLVNVYANGDMVGHTGVFD	418
QY	415	PAVKACQATDEAICKIFEACQTYNYLWMTVSDHGNAEKM-IAPDGSSEHTAHCNVLBPBTC	473
Db	419	NAVKAVEADVTCIGRYEYVNAWKGHMLITDAGHNVQEQMDYESGVQVHTQHTTELPVF--	476
QY	474	SKKTFVKSTPPTGDDGKERARALRDVAPTVLQMLGPLVPPPEMDGVPPLL	522
Db	477	---IVYVGTQATIAEGG-----VLADVAPTLNLMQIIPVPAEMOGRNLI	517

### RESULT 3

```

US-09-134-001C-5444
;
; Sequence 5444, Application US/09134001C
; Patent NO. 6380370
;
; GENERAL INFORMATION:
;
; APPLICANT: Lynn Doucette-Stamm et al
;
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
;
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
;
; FILE REFERENCE: GTC-007
;
; CURRENT APPLICATION NUMBER: US/09/134.001C
;
; CURRENT FILING DATE: 1998-08-13
;
; PRIOR APPLICATION NUMBER: US 60/064,964
;
; PRIOR FILING DATE: 1997-11-08
;
; PRIOR APPLICATION NUMBER: US 60/055,779
;
; PRIOR FILING DATE: 1997-08-14
;
; NUMBER OF SEQ ID NOS: 5674
;
; SEQ ID NO 5444
;
; LENGTH: 517
;
; TYPE: PRT
;
; ORGANISM: Staphylococcus epidermidis
;
US-09-134-001C-5444

```

Query Match	35.6%	Score 992;	DB 4;	Length 517;		
Best Local Similarity	39.2%	Pred. No. 9.5e-102;				
Matches	205;	Conservative 94;	Mismatches 196;	Indels 28; Gaps 8;		
QY	8	QQRVCVLVVDIGWGLSDEOHGNATAKAKTPTMDKLCSGNWK	----	LEAHGLHWGLPEGL 62		
DB	15	KQPTALILDGFANRSEHGNAVQAQHKPNFDY	----	YKYPQTQTEASGLDVGLPPEG 70		
QY	63	MGNSEVGHNLNIGAGRIVYQDIVINLAVORNEFVTPQIVASAEKAKGSGRHLHLGLVS	122			
DB	71	MGNSEVGHMNIAGRIVYQSLTRINKSIEDGEFFDNVLNTVKVHKDNGSALHVFGLLS	130			
QY	123	DGVGHSHIDLFLAIRAKOLQVPKVFIFHFAAGRDTSPTSAGYLEBQLQFIASEKYGE	182			
DB	131	DGVGHSHYKHLFAILELAKKQGDVKVYVHAFDLGRDQKLSALKYIETEDKFKELGVQ	190			
QY	183	LATITGRYVAMDRKRWERIKMAYEALVGGIGOKATVDKAVDVVREYRQASETDFELKPI	242			
DB	191	FASVSGRYVAMDRKRWDRERAYNAIRNFGPTFTSAKA	----	GV EANYXKNDVTFDEFVEPF 248		
QY	243	VF	----	SDSGRVKDDTLIFNFYRADRMQRQICEGLGLERYKOLNSVSPHPKNIQISGTMQYN 300		
DB	249	IVGQNDG	----	VNDGDVIFYNFRPDRAQLSEITNKAFCG	----	KVEQVDNLVATFTKYN 305
QY	301	KEPPFSLPEPVTHNVLAEWLASQGVTPQFCAETEKYPHVTFFNGGREVQODEBRCH	360			
DB	306	DNDVAETVFEKVDLNNITGEVAODNGLKQLRIAEETEKYPHVTYFMSGRNEEPEGERRL	365			
QY	361	VPSPEKVAIYDLKPEMNAAGVAKEMVQZTESGRHPLVMCNFAPDMVGHGTGKEPAVKAC	420			
DB	366	IDSPK	----	VATYDLKPEMSAYEVDKALLEEDKGLDLILLNFANPDMVGHSGMLEPTIKAI 424		
QY	421	QATDEAIGKFEACQTYNVYLMVTSDBHGNAEKIAPDGSBHTAHTGNLVPTCCSKTFVF	480			
DB	425	EAVDECLGEVWDKIIDMGHAIITADHNSQDVLVTDQDPWTHTHNPNVPIVTKEGVTL	484			
QY	481	KSTPPTGDDGKERARALRDVAPTVLQMLGVLVPEPMGCVLLE	523			
DB	485	RETGRUG	-----	DLAPTLLDNLNVKQPSMTGESLIK 516		

## RESULT 4

[illegible]

ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/975,762  
FILING DATE: 21-MAR-1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: MAKI, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.439  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206-622-4900  
TELEFAX: 206-682-6031  
INFORMATION FOR SEQ ID NO: 35:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 161 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE: Ehrlichia  
US-08-975-762-35

Query Match 12.0%; Score 333; DB 3; Length 161;  
Best Local Similarity 45.3%; Pred. No. 6.9e-29;  
Matches 72; Conservative 22; Mismatches 61; Indels 4; Gaps 3;  
QY 49 LEAGHLVGLPEGLMGNSVGHNLGAGRIYODIVRINLAVORNEFTVNPQIVASAERA 108  
DB 7 LSASGTDVGLPSGQFGNSVGHISIGGRIVLQDLRLINLEI--NEVHKPKLLDFVRDI 64  
QY 109 KKGSRHLHLGLVSDGGVSHDHFLALIRAFKOLQVPKVIHFFADGRDTSPTSGAGYL 168  
DB 65 QAKGGVCHMIGLLSDGGVSHLSQAHMETIIEVITGFGI-KVFIHVILDRDVPVPSAEKYI 123  
QY 169 EQLLOFTASEKYGELATITGRYYAMDRDKWERIKMAYE 207  
DB 124 GMLNAKI-EHLNAEIAIVAGRIYAMDRDRLDRCTKAYD 161

RESULT 5  
US-08-921-324-35  
Sequence 35, Application US/08821324  
Patent No. 6231869  
GENERAL INFORMATION:  
APPLICANT: Reed, Steven G.  
APPLICANT: Lodes, Michael J.  
APPLICANT: Houghton, Raymond L.  
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND  
THERAPY  
NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/821,324  
FILING DATE: 21-MAR-1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: MAKI, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.439  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206-622-4900  
TELEFAX: 206-682-6031  
INFORMATION FOR SEQ ID NO: 35:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 161 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE: Ehrlichia  
US-08-821-324-35

Query Match 12.0%; Score 333; DB 3; Length 161;  
Best Local Similarity 45.3%; Pred. No. 6.9e-29;  
Matches 72; Conservative 22; Mismatches 61; Indels 4; Gaps 3;  
QY 49 LEAGHLVGLPEGLMGNSVGHNLGAGRIYODIVRINLAVORNEFTVNPQIVASAERA 108  
DB 7 LSASGTDVGLPSGQFGNSVGHISIGGRIVLQDLRLINLEI--NEVHKPKLLDFVRDI 64  
QY 109 KKGSRHLHLGLVSDGGVSHDHFLALIRAFKOLQVPKVIHFFADGRDTSPTSGAGYL 168  
DB 65 QAKGGVCHMIGLLSDGGVSHLSQAHMETIIEVITGFGI-KVFIHVILDRDVPVPSAEKYI 123  
QY 169 EQLLOFTASEKYGELATITGRYYAMDRDKWERIKMAYE 207  
DB 124 GMLNAKI-EHLNAEIAIVAGRIYAMDRDRLDRCTKAYD 161

RESULT 6  
US-09-295-028-35  
Sequence 35, Application US/09295028  
Patent No. 6277381  
GENERAL INFORMATION:  
APPLICANT: Reed, Steven G.  
APPLICANT: Lodes, Michael J.  
APPLICANT: Houghton, Raymond L.  
APPLICANT: McNeill, Patricia D.  
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS  
AND TREATMENT OF EHRILICHA INFECTION  
FILE REFERENCE: 210121.439C4  
CURRENT APPLICATION NUMBER: US/09/295,028  
CURRENT FILING DATE: 1999-04-20  
NUMBER OF SEQ ID NOS: 85  
SOFTWARE: FastSEQ for Windows Version 3.0  
SEQ ID NO 35  
LENGTH: 161  
TYPE: PRP  
ORGANISM: Ehrlichia sp.  
US-09-295-028-35

Query Match 12.0%; Score 333; DB 3; Length 161;  
Best Local Similarity 45.3%; Pred. No. 6.9e-29;  
Matches 72; Conservative 22; Mismatches 61; Indels 4; Gaps 3;  
QY 49 LEAGHLVGLPEGLMGNSVGHNLGAGRIYODIVRINLAVORNEFTVNPQIVASAERA 108  
DB 7 LSASGTDVGLPSGQFGNSVGHISIGGRIVLQDLRLINLEI--NEVHKPKLLDFVRDI 64  
QY 109 KKGSRHLHLGLVSDGGVSHDHFLALIRAFKOLQVPKVIHFFADGRDTSPTSGAGYL 168  
DB 65 QAKGGVCHMIGLLSDGGVSHLSQAHMETIIEVITGFGI-KVFIHVILDRDVPVPSAEKYI 123  
QY 169 EQLLOFTASEKYGELATITGRYYAMDRDKWERIKMAYE 207

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      | | | : ||| ||| | : | ||
124 GMLNAKI-EHLNAEIATVAGRYYAMDNRDLDRCTCKAYD 161
Db

```

## RESULT 7

US-09-106-582-35  
Sequence 35, Application US/09106582  
Patent No. 6306402  
GENERAL INFORMATION:  
APPLICANT: Reed, Steven G.  
APPLICANT: Lodes, Michael J.  
APPLICANT: Houghton, Raymond  
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND  
NUMBER OF SEQUENCES: 73  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/106,582  
FILING DATE: 29-JUN-1998  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Maki, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.439C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206-622-4900  
TELEFAX: 206-682-6031  
INFORMATION FOR SEQ ID NO: 35:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 161 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein.  
ORIGINAL SOURCE:  
ORGANISM: Ehrlichia  
US-09-106-582-35

Query Match 12.0%; Score 333; DB 4; Length 161;  
Best Local Similarity 45.3%; Pred. No. 6.9e-29;  
Matches 72; Conservative 22; Mismatches 61; Indels

QY	49	LEAHGLHVLPGLMGNSEVGHLLNIGAGRVYIDVINLAVORNEFVTNPQIVASAERA	108
Db	7	LSASCTDVLPSQGFNGSEVGHISIGGRVILQDLLRINLEI--NEVHKNPLLLDFVRDI	64
QY	109	KKSGRLLHLLGLVSDGGVHSHIDLFLALIRAFKQLQVPKVIHFHFDAGDRTSTSGAYL	168
Db	65	QAKGVCHMIGLLSDGGVHSLQAHMETIIEVITGFI-KVFIHVILDRDVPVPSRAEKVI	123
QY	169	EQLLOFIASEKYGELATITGRYYAMDRDKRWERIKMAYE	207
Db	124	GMLNAKI-EHLNAGIATVAGRYVYAMDRNDRDLRDTCTAYD	161

## RESULT 8

RESULT B  
 US-09-252-991A-32001  
 ; Sequence 32001, Application US/09252991A  
 ; Patent No. 6551795  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Marc J. Rubenfield et al.  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

```

; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32001
; LENGTH: 820
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32001

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Query Match	4.0%;	Score 110.5;	DB 4;	Length 820;	
Best Local Similarity	20.1%;	Pred. No. 0.0099;			
Matches	88;	Conservative 60;	Mismatches 161;	Indels 129; Gaps 18;	
QY	85	RINLAVQRNEFV--TNPQIVASA-----	ERAKKSGRLLHLLGLVSDGGVHSH	129	
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QY	189	RYVAMDRDRKWERIKMAYEAI VGGIGOKATVDKAVDVVREY-----	AASETDEFL	239	
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DB	168	Q-----LEDGQLAPDRVWVWELD--ADQRGDVGVVWHLAVFOAL-----	203		
QY	300	NKEFFPPSLFPVTHTNVLAEMLASGVTO---FH-----	CAETEKYPHV	341	
DB	204	-QORPERGVVEAVQVEDVLAERQGLGVVVDQVFHRIDFRVARHQDPAGRSAEVLVHRHV	262		
QY	342	TEFFNGRGREVQFQDEER-----	CMVPSKPEVATYDLK-----	PENNAAGVAEKMV	386
DB	263	DLLAHG-----	PEDABQGRGFLGVGSLALPGEVPLDEREITGLCAEABPHGHAAGIDEMLD	317	
QY	387	EQIESGRHPLVMCNFAPPDMVGHGTKEFPKAVKACOATD--EAIKKIEACQTYNVYLMVTS	445		
DB	318	EVYRLGQR-----	MAFEGRLGVQVQFAEAPLEQFGQ-----	AA	351
QY	446	DHGNAEKMTAPDGSHTA	463		
DB	352	LOGHLEARYSAEGSEHAA	369		

## RESULT 9

```

RESOLUTION 9
US-09-668-673B-3
/ Sequence 3, Application US/09668673B
/ Patent No. 6562956
/ GENERAL INFORMATION:
/ APPLICANT: Emerson, Charles P
/ APPLICANT: Dhoot, Gurtej K
/ TITLE OF INVENTION: IDENTIFICATION AND CLONING OF A NEW SUBFAMILY OF
/ TITLE OF INVENTION: SULFATASES AND FUNCTIONAL EMBRYONIC TECHNIQUES FOR
/ TITLE OF INVENTION: CHARACTERIZATION OF SUCH PROTEINS
/ FILE REFERENCE: PENN-0733
/ CURRENT APPLICATION NUMBER: US/09/668,673B
/ CURRENT FILING DATE: 2000-09-22
/ PRIOR APPLICATION NUMBER: 60/155,738
/ PRIOR FILING DATE: 1999-09-23
/ NUMBER OF SEQ ID NOS: 22
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 3
/ LENGTH: 709
/ TYPE: PRT
/ ORGANISM: Caenorhabditis elegans
US-09-668-673B-3

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; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28031
; LENGTH: 376
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-28031

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## RESULT 14

US-08-657-392-2  
; Sequence 2, Application US/08657392  
: Patent No. 5843634

; GENERAL INFORMATION:

APPLICANT: Brate, E. M.  
APPLICANT: Brennan, C.A.  
APPLICANT: Bridon, D.P.  
APPLICANT: Jaffe, K.D.  
APPLICANT: Kraft, G.A.  
APPLICANT: Mandecki, W.  
APPLICANT: March, S.C.  
APPLICANT: Russell, J.R.  
APPLICANT: Yue, V.T.

**TITLE OF INVENTION: Genetically Engineered Enzymes And Their**

**TITLE OF INVENTION:** Conjugates For Diagnostic Assays

NUMBER OF SEQUENCES: 34

;;  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ABBOTT LABORATORIES  
; STREET: One Abbott Park Road  
; CITY: Abbott Park  
; STATE: Illinois  
; COUNTRY: USA

COUNTRY: USA  
ZTP: 60064-3500

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; MEDIUM TYPE: Floppy disk
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; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: SoftPC
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/ SOFTWARE: SOLCFC
: CURRENT APPLICATION DATA:

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: CURRENT AFFILIATION DATA:  
 : APPLICATION NUMBER: DS/08/657.392

FILING DATE:

CLASSIFICATION: 435

; PRIORITY DATA:

APPLICATION NUMBER: 08/100,708

FILING DATE: July 29, 1999

ATTORNEY/AGENT INFORMATION:

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; NAME: Wong, Wean Khing
; REGISTRATION NUMBER: 33,561
; REFERENCE/DOCKET NUMBER: 5324.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (708) 938-3517
; TELEFAX: (708) 938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 449 amino acid residues
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM:
; US-08-657-392-2

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Query Match	3.4%	Score 95;	DB 2;	Length 449;
Best Local Similarity	18.3%	Pred. No. 0.18;		
Matches 90;	Conservative	52;	Mismatches 183;	Indels 168;
				Gaps 19;

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PRECEDENT 15

CT IT0591-07539-2

PC1-US94-02339-Z  
: Sequence 2. Application PC/TUIS9402539

sequence, application:  
: GENERAL INFORMATION:

7 GENERAL INFORMATION:

7 APPLICANT: Brate, E. M.

7 APPLICANT: Brennan, C. A.

7 APPLICANT: Bridon, D. P.

7 APPLICANT: Jaffe, K. D.

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7 APPLICANT: Yue, V. T.

7 TITLE OF INVENTION: General

